

Patent Abstracts of Japan

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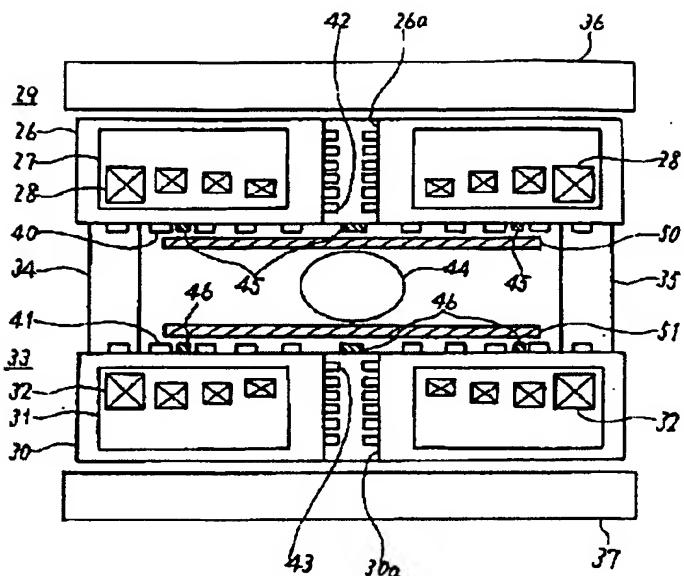
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TITLE : SUPER CONDUCTIVE MAGNET DEVICE AND METHOD FOR ADJUSTING MAGNETIC FIELD UNIFORMITY OF THE SAME



28,32:環状超電導コイル 40:細片状強磁性体シム
 45:棒状調整体 50:傾斜磁場コイル

ABSTRACT : PROBLEM TO BE SOLVED: To easily adjust the uniformity of a magnetic field even in a state where tilted magnetic field coils are arranged.

SOLUTION: In a superconductive magnet device, the tilted magnetic field coils 50 and 51 are arranged between a pair of superconductive magnet bodies 29 and 33 which are arranged facing each other with annular superconductive coils 28 and 32 housed therein, and a plurality of ferromagnetic shims 40 and 41 in the state of thin pieces are arranged on the surface of the magnet bodies 29 and 33 to improve the uniformity of the magnetic field of a uniform magnetic field space generated in the neighborhood of a center part between the magnet bodies 29 and 33 by the shims 40 and 41. In the device, bar-like adjusting bodies 45 and 46 to which a plurality of ferromagnetic shims 47 in the state of thin pieces can be fitted can be inserted to and pulled off from the surfaces of the magnet bodies 29 and 33 from the outer peripheral sides of the magnet bodies 29 and 33.

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